

AMENDMENTS TO THE CLAIMS

The claims in this listing will replace all prior versions, and listings, of claims in the application.

1. (Previously Presented) A method for laser drilling a hole in a multi-layered sheet-like material, the method comprising:

drilling through all layers of the material by at least one laser pulse having a first energy, which generates an inter-layer pull-off force smaller than an inter-layer adhesion force of the multi-layered sheet; and

trimming a shape of the hole by at least one laser pulse having a second energy higher than the first energy, an interval between the at least one pulse having a first energy and the at least one pulse having a second energy being approximately 200 μ S .

2. (Previously Presented) The method for laser drilling according to claim 1, further comprising controlling at least one of the first energy and the second energy by changing a laser pulse width.

3. (Previously Presented) The method for laser drilling according to claim 1, further comprising controlling at least one of the first energy and the second energy by changing a peak value.

4. (Withdrawn) A laser drilling apparatus comprising:

a laser oscillator;

a control device for supplying the laser oscillator with pulses of pulsed laser beams;

a system for supplying laser pulse trains to the control device for forming a hole in a multi layered sheet-like material, the laser pulse trains having energy that generates an inter-layer pull-off force smaller than an inter-layer adhesion force; and

a system for supplying laser pulses to the control device for trimming the hole, the laser pulses having energy higher than that of the laser pulse trains.

Claims 5-11 (Canceled)

12. (New) A method for laser drilling a hole in a multi-layered sheet-like material, the method comprising:

drilling through all layers of the material by at least one laser pulse having a first energy, which generates an inter-layer pull-off force smaller than an inter-layer adhesion force of the multi-layered sheet; and

trimming a shape of the hole by at least one laser pulse having a second energy higher than the first energy.

13. (New) The method for laser drilling according to claim 12, further comprising controlling at least one of the first energy and the second energy by changing a laser pulse width.

14. (New) The method for laser drilling according to claim 12, further comprising controlling at least one of the first energy and the second energy by changing a peak value.